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2 April 2004

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Commissioner for Patents

Washington, D.C. 20231

- ☐ U.S. Postal Service  
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Attorney Docket: P57062

Sir:

Submitted herewith is the following ☐ divisional ☒ continuation ☐ continuation-in-part patent application of prior application Serial No. 09/789,822 filed in the U.S. Patent & Trademark Office on 22 February 2001.

**Inventor: CHANG-HYEON LEE**

**Title: APPARATUS AND METHOD FOR DETECTING AN ABNORMALITY IN A RECORDED SIGNAL**

Please find attached hereto an application for patent which includes: specification and abstract, claims, original declaration and power of attorney, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 10 sheets, Figures 1 through 15

Claim of priority under 35 U.S.C. §119: N/A

**FEE (see formula below): CHECK ENCLOSED (#45463)**

**Basic Fee \$385/770 ..... \$770.00**

**Additional Fees:**

Total number of claims in excess of 20:     times \$9/18 . \$0.00

Number of independent claims in excess of 3:   3   times \$43/86 ..... \$258.00

Multiple Dependent Claims \$145/290 ..... \$0.00

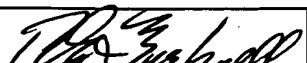
An Assignment is likewise enclosed: Recording Fee \$40 .. \$0.00

Filing Non-English specification ..... \$0.00

**TOTAL FEES FOR THE ABOVE APPLICATION ..... \$1,028.00**



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| FEE TRANSMITTAL  |                      | Complete If Known   |                  |
|--|----------------------|---|------------------|
| Patent fees are subject to annual revision.  |                      | Application Number  | to be assigned   |
|  |                      | Filing Date   | 2 April 2004     |
|  |                      | First Named Inventor  | Chang-Hyeong LEE |
|  |                      | Examiner Name   | to be assigned   |
|  |                      | Group/Art Unit  | to be assigned   |
| TOTAL AMOUNT OF PAYMENT  | (\$) <u>1,028.00</u> | Attorney Docket No.   | P57062           |
| METHOD OF PAYMENT (check one)  |                      | FEE CALCULATION (continued)   |                  |
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:             |                      | 3. ADDITIONAL FEES  |                  |
| Deposit Account Number: <u>02-4943</u>   |                      | Large Entity Small Entity   |                  |
| Deposit Account Number: _____  |                      | Fee Code Fee (\$)   |                  |
| <input type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.  |                      | Fee Code Fee (\$)   |                  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27   |                      | Fee Description Fee Paid  |                  |
| 2. <input checked="" type="checkbox"/> Payment Enclosed:<br>(CHECK #45463)   |                      |   |                  |
| <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other |                      |   |                  |
| FEE CALCULATION  |                      |   |                  |
| 1. BASIC FILING FEE  |                      |   |                  |
| Large Entity Small Entity  |                      |   |                  |
| Fee Code Fee (\$)  |                      |   |                  |
| Fee Code Fee (\$)  |                      |   |                  |
| Fee Description  |                      |   |                  |
| Fee Paid   |                      |   |                  |
| 1001 770 2001 385 Utility filing fee \$770.00  |                      |   |                  |
| 1002 340 2002 170 Design filing fee \$   |                      |   |                  |
| 1003 530 2003 265 Plant filing fee \$  |                      |   |                  |
| 1004 770 2004 385 Reissue filing fee \$  |                      |   |                  |
| 1005 160 2005 80 Provisional filing fee \$   |                      |   |                  |
| SUBTOTAL (1) (\$) <u>770.00</u>  |                      |   |                  |
| 2. EXTRA CLAIM FEES  |                      |   |                  |
| Total claims 12 -20** = x 18.00 = .00  |                      |   |                  |
| Independent Claims 6 -3** = 21 x 86.00 = 258.00  |                      |   |                  |
| Multiple Dependent =   |                      |   |                  |
| ** or number previously paid, if greater; For Reissues, see below  |                      |   |                  |
| Large Entity Small Entity  |                      |   |                  |
| Fee Code Fee (\$)  |                      |   |                  |
| Fee Code Fee (\$)  |                      |   |                  |
| Fee Description  |                      |   |                  |
| 1201 86 2201 43 Independent claims in excess of 3  |                      |   |                  |
| 1202 18 2202 9 Claims in excess of 20  |                      |   |                  |
| 1203 290 2203 145 Multiple dependent claim, if not paid  |                      |   |                  |
| 1204 86 2204 43 ** Reissue independent claims over original patent   |                      |   |                  |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  |                      |   |                  |
| SUBTOTAL (2) (\$) <u>258</u><br><u>258.00</u>  |                      |   |                  |
|  |                      | 1051 130 2051 65 Surcharge-late filing fee or oath \$   |                  |
|  |                      | 1052 50 2052 25 Surcharge-late provisional filing fee or cover sheet \$                       |                  |
|  |                      | 1053 130 1053 130 Non-English specification \$  |                  |
|  |                      | 1812 2,520 1812 2,520 For filing a request for reexamination \$                               |                  |
|  |                      | 1804 920* 1804 920* Requesting publication of SIR prior to Examiner action \$                 |                  |
|  |                      | 1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action \$                |                  |
|  |                      | 1251 110 2251 55 Extension for reply within first month \$                                    |                  |
|  |                      | 1252 420 2252 210 Extension for reply within second month \$                                  |                  |
|  |                      | 1253 950 2253 475 Extension for reply within third month \$                                   |                  |
|  |                      | 1254 1,480 2254 740 Extension for reply within fourth month \$                                |                  |
|  |                      | 1255 2,010 2255 1,005 Extension for reply within fifth month \$                               |                  |
|  |                      | 1401 330 2401 165 Notice of Appeal \$   |                  |
|  |                      | 1402 330 2402 165 Filing a brief in support of an appeal \$                                   |                  |
|  |                      | 1403 290 2403 145 Request for oral hearing \$   |                  |
|  |                      | 1451 1,510 1451 1,510 Petition to institute a public use proceeding \$                        |                  |
|  |                      | 1452 110 2452 55 Petition to revive - unavoidable \$  |                  |
|  |                      | 1453 1,330 2453 665 Petition to revive - unintentional \$                                     |                  |
|  |                      | 1501 1,330 2501 665 Utility issue fee (or reissue) \$   |                  |
|  |                      | 1502 480 2502 240 Design issue fee \$   |                  |
|  |                      | 1503 640 2503 320 Plant issue fee \$  |                  |
|  |                      | 1460 130 1460 130 Petitions to the Commissioner \$  |                  |
|  |                      | 1807 50 1807 50 Processing fee for provisional applications \$                                |                  |
|  |                      | 1806 180 1806 180 Submission of Information Disclosure Statement \$                           |                  |
|  |                      | 8021 40 8021 40 Recording each patent assignment per property (Times number of properties) \$ |                  |
|  |                      | 1809 770 2809 385 Filing a submission after final rejection (37 C.F.R. §1.129(a)) \$          |                  |
|  |                      | 1810 770 2810 385 For each additional invention to be examined (37 C.F.R. §1.129(b)) \$       |                  |
|  |                      | 1801 770 2801 385 Request for Continued Examination (RCE) \$                                  |                  |
|  |                      | Other Fee (specify) _____ \$  |                  |
|  |                      | Other Fee (specify) _____ \$  |                  |
|  |                      | ** Reduced by Basic Filing Fee Paid   |                  |
|  |                      | SUBTOTAL (3) \$0.00   |                  |
| SUBMITTED BY   |                      | Complete (if applicable)  |                  |
| Typed or Printed Name  |                      | Reg. Number   |                  |
| Robert E. Bushnell, Esq.   |                      | 27,774  |                  |
| Signature  |                      | Date  |                  |
|   |                      | 2 April 2004  |                  |
|  |                      | Deposit Account User ID   |                  |

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Commissioner for Patents  
2 April 2004  
Page Two

Docket No.: P57062

**Inventor:**      **CHANG-HYEON LEE**

**Title:**            **APPARATUS AND METHOD FOR DETECTING AN  
ABNORMALITY IN A RECORDED SIGNAL**


The Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the issue fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
1522 K Street, N.W.  
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Washington, D.C. 20005

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell  
(Registration No. 27,774)  
Payor No.: 008-439  
Attorney for the Applicant  
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Washington, D.C. 20005

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REB/kf

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

CHANG-HYEON LEE

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 2 April 2004

Art Unit: *to be assigned*

For: APPARATUS AND METHOD FOR DETECTING AN ABNORMALITY IN A  
RECORDED SIGNAL

**TRANSMITTAL OF DECLARATION**

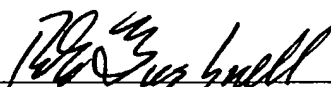
Commissioner for Patents  
Washington, D.C. 20231

**BOX: PATENT APPLICATION**

Sir:

This transmittal accompanies a copy of the original Declaration filed in the parent application of the above-captioned **continuation** application, Serial No. 09/789822 filed in the U.S. Patent & Trademark Office on the 22 February 2001.

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.  
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Folio: P57062  
Date: 04/02/4  
I.D.: REB/kf

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

CHANG-HYEON LEE

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 2 April 2004

Art Unit: *to be assigned*

For: APPARATUS AND METHOD FOR DETECTING AN ABNORMALITY IN A  
RECORDED SIGNAL

**TRANSMITTAL OF SUBSTITUTE FORMAL FIGURE(S)**

**Mail Stop Issue Fee**

Commissioner for Patents


P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

This transmittal accompanies Substitute Formal Figures 1 through 15 (10 replacement sheets)  
for the above-captioned continuation application, which are in compliance with 37 C.F.R. §1.84.

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

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Folio: P57062  
Date: 4/2/04  
I.D.: REB/kl